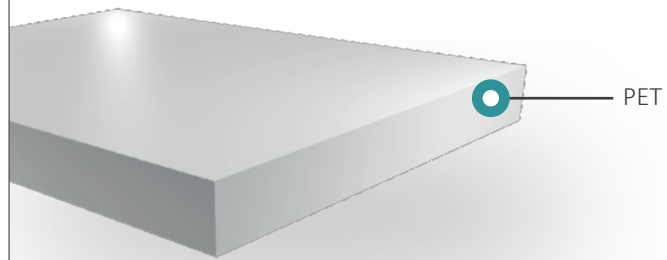


# Lumirror® 60.61

## Application

- Electrical insulation
- Mold release
- Release liner



WHITE OPAQUE  
PET FILM

## Benefits

- White opaque
- High dimensional stability
- Good flatness
- UL 94 VTM-2
- UL 746B (105°C)

## Typical Values *(These values do not constitute binding specifications)*

Properties	Test Method	Unit	23 µm	36 µm	50 µm	75 µm	125 µm	150 µm	190 µm	250 µm
<b>YIELD</b>										
Unit Weight		g/m <sup>2</sup>	32.2	50.4	70	105	175	210	266	350
Area Yield		m <sup>2</sup> /kg	31.1	19.8	14.3	9.5	5.7	4.8	3.8	2.9
<b>MECHANICAL</b>										
Tensile Strength MD	ASTM D 882	daN/mm <sup>2</sup>	19	19	20	22	22	20	21	19
Elongation at Break MD			%	136	146	126	124	132	140	150
<b>THERMAL</b>										
Shrinkage 150°C 30mn MD	Internal	%	1.5	1.4	1.5	2.0	1.7	1.4	1.4	1.4
Shrinkage 150°C 30mn TD	Method		0.1	0.0	0.1	0.9	0.6	0.1	0.5	0.4
<b>OPTICAL</b>										
Total Light transmittance	ASTM D1003	%	80	75	68	54	51	46	43	40
<b>SURFACE</b>										
Roughness Ra	Internal	nm	30	30	32	43	39	38	35	33
Roughness Rz	Method		342	353	350	704	717	600	719	837
<b>ELECTRICAL</b>										
Break down voltage	ASTM D149	kV	*	*	*	*	*	*	17	*
Volume resistivity	ASTM D257	Ω	*	*	*	*	*	*	5*10 <sup>16</sup>	*

## Regulation

Lumirror® 60.61 does **not** comply with European applicable requirements for food contact applications. For Toray's certification concerning specific applications with each product, please refer to the 'Declaration of Compliance'.

Lumirror® 60.61 is in accordance with UL 94 VTM2 and with UL 746B (105°C) at 190µm.

## Presentation of the rolls

**Roll packaging:** The rolls are suspended on standard paper core with internal diameter of 152.8mm.

For all presentation, minimum roll width = 340mm and maximum roll width = 2100mm.

**Returnable packaging:** Wooden flanges, plastic flanges and pallets are returnable.

## Please contact us for...

- Any other presentation (width, length, core)
- Process for returnable packaging
- Any other information about typical values, measuring conditions, tolerances, deliveries...

Lumirror® is a registered trademark of Toray Films Europe SAS - TFE November 2020

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